

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	05/05/2015 05/08/2015	Maksim Khashchuk

LM Start		Rating **	A	Issue No.	4		
LM End		Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Operations & Maintenance Manuals				°		°
					°		°
DWR ID	DWR_RD2089_01_s _ 2013_4						
Action/Comments							
Inspector Comments: The O&M Manual is available at the LMA's office.							

No Photos

LM Start		Rating **	A	Issue No.	15	
LM End		Issue Type +	Ma	Location *	N/A	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Emergency Supplies & Equipment				°	°
					°	°
DWR ID	DWR_RD2089_01_s _ 2013_15					
Action/Comments						
Inspector Comments: The LMA has flood fighting supplies on-site.						

No Photos

LM Start		Rating **	A	Issue No.	34	
LM End		Issue Type +	Ma	Location *	N/A	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Flood Preparedness & Training				°	°
					°	°
DWR ID	DWR_RD2089_01_s _ 2013_34					
Action/Comments						
Inspector Comments: The LMA has flood fight training and an emergency plan.						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Old River	Right	1.51	05/05/2015 05/08/2015	Maksim Khashchuk

LM Start	0.04	Rating **	A/W	Issue No.	7
LM End	0.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.811467 °	37.811467 °
				-121.385569 °	-121.385569 °
DWR ID	DWR_RD2089_01_s _ 2012_7				
Action/Comments					
Pipe					
Inspector Comments: Drainage pump					

Photo 1 of 1 : SP_2015_RD2089_316_7_20150317_00005.jpg



Waterside of drainage discharge to Old River.

LM Start	0.04	Rating **	M	Issue No.	1
LM End	0.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.811474 °	37.811474 °
				-121.385573 °	-121.385573 °
DWR ID	DWR_RD2089_01_s _ 2012_1				
Action/Comments					
Stairway					
Inspector Comments: Steps have been cut into the levee slope, this could become an erosion point, please fill and compact.					

Photo 1 of 1 : SP_2015_RD2089_316_1_20150511_00036.jpg



View of the stairs eroding into the landside levee slope.

LM Start	0.07	Rating **	M	Issue No.	42
LM End	0.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.811368 °	37.811048 °
				-121.386085 °	-121.387242 °
DWR ID	DWR_RD2089_01_f _ 2013_42				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : SP_2015_RD2089_316_42_20150317_00022.jpg



View of the tall vegetation obstructing visibility of the landside levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	05/05/2015 05/08/2015	Maksim Khashchuk

LM Start	0.24	Rating **	M	Issue No.	940
LM End	0.24	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.810412 °	37.810412 °
				-121.389115 °	-121.389115 °
DWR ID	DWR_RD2089_01_s _ 2012_940				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Arundo has been trimmed back from the crown but still remains as an obstruction to the slope and obstructs visibility, needs to be removed.					

Photo 1 of 1 : SP_2015_RD2089_316_940_20150317_00030.jpg



The LMA is actively trying to remove the vegetation on the landside levee slope and toe.

LM Start	0.27	Rating **	U	Issue No.	12
LM End	0.39	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.810319 °	37.809740 °
				-121.389510 °	-121.391645 °
DWR ID	DWR_RD2089_01_s _ 2012_12				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Access and visibility completely blocked.					
11/10/2011 issue has not changed.					

Photo 1 of 1 : SP_2015_RD2089_316_12_20150317_00007.jpg



Thick brush and wild rose completely block access and visibility of landside slope and toe.

LM Start	0.34	Rating **	M	Issue No.	19
LM End	0.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.809978 °	37.809978 °
				-121.390704 °	-121.390704 °
DWR ID	DWR_RD2089_01_s _ 2012_19				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Bamboo completely blocks access and visibility.11/10/2011 Arundo has been trimmed back from the roadway, but still completely blocks access and visibility to the landside slope. This plant was improperly identified as bamboo in previous inspections.					

Photo 1 of 1 : SP_2015_RD2089_316_19_20150317_00012.jpg



Arundo has been trimmed back from the road, but needs to be removed so that it does not obstruct visibility and access to the landside toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Unit No. 01 Old River	Right	1.51	05/05/2015 05/08/2015	Maksim Khashchuk

LM Start	0.37	Rating **	U	Issue No.	946
LM End	0.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.809865 °	37.809865 °
				-121.391303 °	-121.391303 °
DWR ID	DWR_RD2089_01_s _ 2012_946				
Action/Comments					
Trim trees to at least five feet above ground level.					

Photo 1 of 1 : SP_2015_RD2089_316_946_20150317_00031.jpg



Trees on levee slope obstruct access and visibility.

LM Start	0.41	Rating **	U	Issue No.	28
LM End	0.46	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.809593 °	37.809507 °
				-121.391963 °	-121.392907 °
DWR ID	DWR_RD2089_01_s _ 2012_28				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Vegetation is too thick to allow access and visibility.					

Photo 1 of 1 : SP_2015_RD2089_316_28_20150317_00016.jpg



05/24/2011 Photo shows thick dead vegetation and continuation of trees in area that are preventing access and visibility of landside slope and toe.

LM Start	0.46	Rating **	M	Issue No.	5
LM End	0.46	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.809394 °	37.809394 °
				-121.392791 °	-121.392791 °
DWR ID	DWR_RD2089_01_s _ 2015_5				
Action/Comments					
Inspector Comments: 07/02/2014: No significant change observed. 08/13/2013: No significant change observed. 08/07/2012: The site has been visited by boat survey. No significant change observed 08/23/2011: The site shows loose material around the pipe crossing. The operation of the pipe might have caused an impact on the levee. [2014 Site ID:RD2089U01RM29.8]					

Photo 1 of 1 : SP_2015_RD2089_316_5_20150317_00004.jpg



Front view of the site.

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	05/05/2015 05/08/2015	Maksim Khashchuk

LM Start	0.48	Rating **	M	Issue No.	30
LM End	0.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.809665 °	37.809665 °
				-121.393219 °	-121.393219 °
DWR ID	DWR_RD2089_01_s _ 2012_30				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Dead growth is too thick to allow access during flood fight situation and completely obstructs visibility of the landside toe.					

Photo 1 of 1 : SP_2015_RD2089_316_30_20150317_00017.jpg



05/24/2011 Dead brush is too thick to allow access and visibility of landside slope and toe.

LM Start	0.54	Rating **	M	Issue No.	14
LM End	0.54	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.810087 °	37.810087 °
				-121.394200 °	-121.394200 °
DWR ID	DWR_RD2089_01_s _ 2012_14				
Action/Comments					
Add appropriate gravel or road base. Grade and compact.					
Inspector Comments: 11/10/2011 Minor depressions will cause ponding.					

Photo 1 of 1 : SP_2015_RD2089_316_14_20150317_00008.jpg



11/10/2011 Depressions in crown.

LM Start	0.63	Rating **	M	Issue No.	18
LM End	1.49	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.810048 °	37.806534 °
				-121.395762 °	-121.407531 °
DWR ID	DWR_RD2089_01_s _ 2012_18				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: 11/10/2011 Waterside vegetation is too thick to allow access and visibility.					

Photo 1 of 1 : SP_2015_RD2089_316_18_20150317_00011.jpg



11/10/2011 Vegetation needs to be cleared on the upper 20' of the waterside slope.

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Unit No. 01 Old River	Right	1.51	05/05/2015 05/08/2015	Maksim Khashchuk

LM Start	0.65	Rating **	U	Issue No.	31
LM End	0.67	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.809975 °	37.809822 °
				-121.396107 °	-121.396376 °
DWR ID	DWR_RD2089_01_s_2012_31				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Dead brush needs to be removed, too thick to allow access and obstructs visibility of levee slope and toe					

Photo 1 of 1 : SP_2015_RD2089_316_31_20150317_00018.jpg



05/24/2011 Vegetation is mostly dead but needs to be removed to allow access and visibility of slope and toe.

LM Start	0.67	Rating **	U	Issue No.	3
LM End	0.67	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.809780 °	37.809780 °
				-121.396230 °	-121.396230 °
DWR ID	DWR_RD2089_01_s_2015_3				
Action/Comments					
Inspector Comments: 07/02/2014: No significant change observed. 08/13/2013: No significant change observed. 08/07/2012: The site has been visited by boat survey. No significant change observed 08/23/2011: The 5-foot vertical scarp shows no significant change from the last year inspection. No new erosion activities observed. Dense white willow trees on site. 09/07/2010: It was difficult to view the erosion due to the thick Willow thickets and other vegetation at the water line. At the time of the inspection, there were no signs of repair on site. As noted during the last survey, there is a 5-foot vertical scarp along the lower slope that may be subjected to high flow velocities. 08/05/2010: Recommended for repair, per CLRO; "Erosion of this site may be subjective to rapid rates of erosion." 09/28/2009: No major change observed; 5-foot vertical scarp is immediately downstream of where berm has tapered; site is recommended as local maintenance issue, per CLRO CES Evaluation 2008 Report; Site # is the same as RM29.6, LM0.60; previously rated "U". 11/05/2008: No change observed; rodent holes on lower slope; wide levee crown. [2014 Site ID:RD2089U01RM29.61]					

Photo 1 of 1 : SP_2015_RD2089_316_3_20150317_00003.jpg



Front view of the site. The scarp is visible on the slope.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
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CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Unit No. 01 Old River	Right	1.51	05/05/2015 05/08/2015	Maksim Khashchuk

LM Start	0.71	Rating **	M	Issue No.	20
LM End	0.76	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.809516 °	37.808909 °
				-121.396955 °	-121.397557 °
DWR ID	DWR_RD2089_01_s _ 2012_20				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: 11/10/2011 Dead vegetation prohibits visibility of the landside toe.					

Photo 1 of 1 : SP_2015_RD2089_316_20_20150317_00013.jpg



11/10/2011 Vegetation obstructs visibility of slope and toe.

LM Start	0.81	Rating **	M	Issue No.	17
LM End	0.94	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.808319 °	37.806453 °
				-121.397881 °	-121.397755 °
DWR ID	DWR_RD2089_01_f _ 2014_17				
Action/Comments					
Repair slope instability.					
Inspector Comments: Landside levee toe cut due to farming.					

Photo 1 of 1 : SP_2015_RD2089_316_17_20150317_00010.jpg



View of the vertical cut along the landside levee toe.

LM Start	0.83	Rating **	M	Issue No.	36
LM End	0.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.807938 °	37.806361 °
				-121.397898 °	-121.397778 °
DWR ID	DWR_RD2089_01_s _ 2012_36				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Tall weeds and brush on top 20' of waterside slope obstruct visibility.					

Photo 1 of 1 : SP_2015_RD2089_316_36_20150317_00021.jpg

View of tall weeds and brush obstructing visibility on waterside slope.
05/24/2012

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	05/05/2015 05/08/2015	Maksim Khashchuk

LM Start	0.94	Rating **	M	Issue No.	33
LM End	0.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.806397 °	37.806397 °
				-121.397758 °	-121.397758 °
DWR ID	DWR_RD2089_01_s _ 2012_33				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: 11/10/2011 Large arundo on waterside prevents visibility and access to waterside slope.					

Photo 1 of 1 : SP_2015_RD2089_316_33_20150317_00019.jpg



11/10/2011 Arundo on upper 20' of waterside slope.

LM Start	0.95	Rating **	M	Issue No.	35
LM End	1.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.806264 °	37.805885 °
				-121.397961 °	-121.399726 °
DWR ID	DWR_RD2089_01_s _ 2012_35				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: 11/10/2011 Thick vegetation blocks visibility and access to top 20' of waterside slope.					

Photo 1 of 1 : SP_2015_RD2089_316_35_20150317_00020.jpg



Thick vegetation on upper 20' of waterside slope obstructing visibility and access.

LM Start	1.01	Rating **	M	Issue No.	956
LM End	1.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.806063 °	37.805967 °
				-121.398930 °	-121.399348 °
DWR ID	DWR_RD2089_01_s _ 2012_956				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Elderberry and tobacco block visibility.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
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Unit No. 01 Old River	Right	1.51	05/05/2015 05/08/2015	Maksim Khashchuk

LM Start	1.07	Rating **	M	Issue No.	957
LM End	1.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.805848 °	37.805848 °
				-121.400003 °	-121.400003 °
DWR ID	DWR_RD2089_01_s_2012_957				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Brush blocks access.					

No Photos

LM Start	1.12	Rating **	M	Issue No.	16
LM End	1.12	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.805699 °	37.805699 °
				-121.400952 °	-121.400952 °
DWR ID	DWR_RD2089_01_f_2014_16				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : SP_2015_RD2089_316_16_20150317_00009.jpg



View of the rodent burrow on the landside levee slope.

LM Start	1.14	Rating **	A/W	Issue No.	21
LM End	1.14	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.805623 °	37.805623 °
				-121.401207 °	-121.401207 °
DWR ID	DWR_RD2089_01_s_2012_21				
Action/Comments					
Pipe					

Photo 1 of 1 : SP_2015_RD2089_316_21_20150317_00014.jpg



Drainage discharge into Old River.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
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CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Unit No. 01 Old River	Right	1.51	05/05/2015 05/08/2015	Maksim Khashchuk

LM Start	1.19	Rating **	A/W	Issue No.	25
LM End	1.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.805663 °	37.805663 °
				-121.402151 °	-121.402151 °
DWR ID	DWR_RD2089_01_s _ 2012_25				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Arrundo was trimmed back but may creep up the waterside levee slope if not maintained.					

Photo 1 of 1 : SP_2015_RD2089_316_25_20150317_00015.jpg



View of the Arundo on the waterside slope obstructing visibility. LMA is actively trying to remove the wild growth.

LM Start	1.22	Rating **	M	Issue No.	43
LM End	1.22	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.805735 °	37.805735 °
				-121.402614 °	-121.402614 °
DWR ID	DWR_RD2089_01_s _ 2012_43				
Action/Comments					
Add appropriate gravel or road base. Grade and compact. Inspector Comments: 11/10/2011 Depression needs to be filled.					

Photo 1 of 1 : SP_2015_RD2089_316_43_20150317_00023.jpg



11/10/2011 Depression in roadway.

LM Start	1.23	Rating **	M	Issue No.	44
LM End	1.23	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.805801 °	37.805801 °
				-121.402913 °	-121.402913 °
DWR ID	DWR_RD2089_01_s _ 2012_44				
Action/Comments					
Add appropriate gravel or road base. Grade and compact. Inspector Comments: 11/10/2011 Depression in roadway needs to be filled.					

Photo 1 of 1 : SP_2015_RD2089_316_44_20150317_00024.jpg



11/10/2011 Roadway depression.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	05/05/2015 05/08/2015	Maksim Khashchuk

LM Start	1.23	Rating **	M	Issue No.	2
LM End	1.23	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.805580 °	37.805580 °
				-121.403010 °	-121.403010 °
DWR ID	DWR_RD2089_01_s _ 2015_2				
Action/Comments					
Inspector Comments: 07/02/2014: No significant change observed. 08/13/2013: The erosion is around a tree at the levee toe. Dense vegetation is visible. [2014 Site ID:RD2089U01RM29.04]					

Photo 1 of 1 : SP_2015_RD2089_316_2_20150317_00002.jpg



Close view of the site. Note the tree and the vegetation.

LM Start	1.34	Rating **	M	Issue No.	45
LM End	1.34	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.806128 °	37.806128 °
				-121.404890 °	-121.404890 °
DWR ID	DWR_RD2089_01_s _ 2012_45				
Action/Comments					
Add appropriate gravel or road base. Grade and compact. Inspector Comments: 11/10/2011 Depression needs to be filled.					

Photo 1 of 1 : SP_2015_RD2089_316_45_20150317_00025.jpg



11/10/2011 Roadway depression.

LM Start	1.40	Rating **	M	Issue No.	47
LM End	1.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.806268 °	37.806268 °
				-121.405874 °	-121.405874 °
DWR ID	DWR_RD2089_01_s _ 2012_47				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: 11/10/2011 No rodents visible, but active burrows are present.					

Photo 1 of 1 : SP_2015_RD2089_316_47_20150317_00027.jpg



11/10/2011 Active rodent burrow on landside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.51	05/05/2015 05/08/2015	Maksim Khashchuk

LM Start	1.40	Rating **	M	Issue No.	46
LM End	1.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.806266 °	37.806266 °
				-121.405876 °	-121.405876 °
DWR ID	DWR_RD2089_01_s _ 2012_46				
Action/Comments					
Tree or limb					
Inspector Comments: 11/10/2011 Downed tree at levee toe prevents access to levee from landside.					

Photo 1 of 1 : SP_2015_RD2089_316_46_20150317_00026.jpg



Decaying tree at the landside levee toe is obstructing visibility and access.

LM Start	1.44	Rating **	M	Issue No.	49
LM End	1.44	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.806383 °	37.806383 °
				-121.406599 °	-121.406599 °
DWR ID	DWR_RD2089_01_s _ 2012_49				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Deep burrow on waterside needs to be filled.					

Photo 1 of 1 : SP_2015_RD2089_316_49_20150317_00028.jpg



11/10/2011 Deep burrow on waterside.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	05/05/2015 05/08/2015	Maksim Khashchuk

LM Start	0.07	Rating **	U	Issue No.	4
LM End	0.07	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.807375 °	37.807375 °
				-121.408605 °	-121.408605 °
DWR ID	DWR_RD2089_02_s _ 2012_4				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Thick brush may include some elderberries. 05/24/2011 updated photo.					

Photo 1 of 2 : SP_2015_RD2089_317_4_20150317_00003.jpg



05/24/2011 Updated photo of issue noted in Fall 2010 inspection.

LM Start	0.07	Rating **	U	Issue No.	4 (cont)
LM End	0.07	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : SP_2015_RD2089_317_4_20150317_00004.jpg



Fall 2009 photo of unacceptable vegetation on levee slope.

LM Start	0.08	Rating **	M	Issue No.	19
LM End	0.08	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.807486 °	37.807486 °
				-121.408791 °	-121.408791 °
DWR ID	DWR_RD2089_02_s _ 2013_19				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Vegetation on the levee slope and toe is partially obstructive.					

Photo 1 of 1 : SP_2015_RD2089_317_19_20150317_00019.jpg



View of the vegetation on the landside levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	05/05/2015 05/08/2015	Maksim Khashchuk

LM Start	0.16	Rating **	U	Issue No.	48
LM End	0.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.808583 °	37.808583 °
				-121.409432 °	-121.409432 °
DWR ID	DWR_RD2089_02_f_2013_48				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : SP_2015_RD2089_317_48_20150317_00029.jpg



View of the rodent burrow on the landside levee slope.

LM Start	0.21	Rating **	M	Issue No.	49
LM End	0.21	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.809148 °	37.809148 °
				-121.409897 °	-121.409897 °
DWR ID	DWR_RD2089_02_f_2013_49				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : SP_2015_RD2089_317_49_20150317_00030.jpg



View of the multiple rodent burrows on the landside levee hinge and slope.

LM Start	0.26	Rating **	M	Issue No.	24
LM End	0.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.809717 °	37.809717 °
				-121.410511 °	-121.410511 °
DWR ID	DWR_RD2089_02_s_2012_24				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Ground squirrel sighted and active borrowing in area.					

Photo 1 of 1 : SP_2015_RD2089_317_24_20150317_00021.jpg



05/24/2011 Active burrows, ground squirrel sighted in area.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	05/05/2015 05/08/2015	Maksim Khashchuk

LM Start	0.28	Rating **	U	Issue No.	51
LM End	0.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.809899 °	37.809899 °
				-121.410889 °	-121.410889 °
DWR ID	DWR_RD2089_02_f_2013_51				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : SP_2015_RD2089_317_51_20150317_00031.jpg



View of the rodent burrow on the landside levee toe.

LM Start	0.30	Rating **	U	Issue No.	53
LM End	0.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.809977 °	37.810022 °
				-121.411189 °	-121.411387 °
DWR ID	DWR_RD2089_02_f_2013_53				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Exterminating rodents and grouting the burrows recommended.					

Photo 1 of 3 : SP_2015_RD2089_317_53_20150317_00033.jpg



View of the multiple rodent burrows on the landside levee slope.

LM Start	0.30	Rating **	U	Issue No.	53 (cont)
LM End	0.31	Issue Type +	Ma	Location *	LS

Photo 2 of 3 : SP_2015_RD2089_317_53_20150317_00034.jpg



View of the rodent burrow on the landside levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	05/05/2015 05/08/2015	Maksim Khashchuk

LM Start	0.30	Rating **	U	Issue No.	53 (cont)	
LM End	0.31	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			37.809977 °		37.810022 °
				-121.411189 °		-121.411387 °
DWR ID	DWR_RD2089_02_f_2013_53					
Action/Comments						
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Exterminating rodents and grouting the burrows recommended.						

Photo 3 of 3 : SP_2015_RD2089_317_53_20150317_00035.jpg



Another view of the multiple rodent burrows on the landside levee slope.

LM Start	0.36	Rating **	M	Issue No.	26
LM End	0.36	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.810125 °	37.810125 °
				-121.412317 °	-121.412317 °
DWR ID	DWR_RD2089_02_s_2012_26				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Active burrow needs to be repaired.					

Photo 1 of 1 : SP_2015_RD2089_317_26_20150317_00022.jpg



05/24/2011 Active rodent burrow.

LM Start	0.38	Rating **	M	Issue No.	8
LM End	0.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.810109 °	37.812395 °
				-121.412619 °	-121.415813 °
DWR ID	DWR_RD2089_02_s_2012_8				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Tobacco leaf and other brush block access and visibility.					

Photo 1 of 2 : SP_2015_RD2089_317_8_20150317_00008.jpg



Brush on landside slope limits access.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	05/05/2015 05/08/2015	Maksim Khashchuk

LM Start	0.38	Rating **	M	Issue No.	8 (cont)
LM End	0.62	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.810109 °	37.812395 °
				-121.412619 °	-121.415813 °
DWR ID	DWR_RD2089_02_s _ 2012_8				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Tobacco leaf and other brush block access and visibility.					

Photo 2 of 2 : SP_2015_RD2089_317_8_20150317_00009.jpg



Fall 2009 photo: Brush on landside toe limits visibility and accessibility.

LM Start	0.40	Rating **	M	Issue No.	1
LM End	0.40	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.809960 °	37.809960 °
				-121.413200 °	-121.413200 °
DWR ID	DWR_RD2089_02_s _ 2015_1				
Action/Comments					
Inspector Comments: 07/02/2014: No significant change observed. 08/13/2013: No significant change observed. 08/07/2012: The site has been visited by boat survey. No significant change observed. 08/23/2011: No significant change observed on site. 09/07/2010: Site consists of a jutting rip rap that has created an eddy, scouring the levee slope. Most sections of the toe and lower slope are lined with rip rap. However, the rip rap is sloughing on the mid slope and at the toe, exposing the underlying soils and tree roots. The remaining revetment is no longer adequately protecting the slope. There are 3 Sycamore trees at the toe with exposed tree roots. 08/05/2010: Recommended for repair, per CLRO. 09/28/2009: Pocket erosion on lower slope just above the toe rip rap; protruding rip rap upstream is creating an eddy, scouring the levee slope; Site # is the same as RM28.40,LM0.30; previously rated "U"; pictures will be made available during the next survey. 11/05/2008: Cut into levee profile; riprap slide; rodent holes; pictures do not match GPS and current condition. [2014 Site ID:RD2089U02RM28.35]					

Photo 1 of 1 : SP_2015_RD2089_317_1_20150317_00001.jpg



View of the site from the survey boat.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	05/05/2015 05/08/2015	Maksim Khashchuk

LM Start	0.46	Rating **	M	Issue No.	13
LM End	0.46	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.810691 °	37.810691 °
				-121.414014 °	-121.414014 °
DWR ID	DWR_RD2089_02_s_2012_13				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Two old burrows that need to be filled.					

Photo 1 of 1 : SP_2015_RD2089_317_13_20150317_00015.jpg



11/10/2011 Two large burrows on crown, need to be filled.

LM Start	0.47	Rating **	M	Issue No.	10
LM End	0.47	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			37.810714 °	37.810714 °
				-121.414057 °	-121.414057 °
DWR ID	DWR_RD2089_02_s_2012_10				
Action/Comments					
Add appropriate gravel or road base. Grade and compact. Inspector Comments: Surface depression needs to be filled.					

Photo 1 of 1 : SP_2015_RD2089_317_10_20150317_00011.jpg



11/10/2011 Depression in crown needs to be filled.

LM Start	0.50	Rating **	U	Issue No.	54
LM End	0.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.810989 °	37.810989 °
				-121.414517 °	-121.414517 °
DWR ID	DWR_RD2089_02_f_2013_54				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 1 : SP_2015_RD2089_317_54_20150317_00036.jpg



View of the rodent burrow on the landside levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	05/05/2015 05/08/2015	Maksim Khashchuk

LM Start	0.52	Rating **	U	Issue No.	14
LM End	0.52	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.811150 °	37.811150 °
				-121.414748 °	-121.414748 °
DWR ID	DWR_RD2089_02_s_2012_14				
Action/Comments					
Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comments: 11/10/2011 Repair damage to slope caused by livestock.					

Photo 1 of 1 : SP_2015_RD2089_317_14_20150317_00016.jpg



11/10/2011 Approximately 1' scarp has been created by livestock travel.

LM Start	0.77	Rating **	M	Issue No.	15
LM End	0.77	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			37.813969 °	37.813969 °
				-121.414324 °	-121.414324 °
DWR ID	DWR_RD2089_02_f_2014_15				
Action/Comments					
Repair slope instability.					

Photo 1 of 1 : SP_2015_RD2089_317_15_20150317_00017.jpg



View of the scour from surface runoff on the landside levee slope.

LM Start	0.80	Rating **	U	Issue No.	36
LM End	0.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.814421 °	37.814913 °
				-121.414203 °	-121.414594 °
DWR ID	DWR_RD2089_02_s_2012_36				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Wild growth and dead underbrush prevents visibility of levee slope and area cannot be accessed if needed for a flood fight.					

Photo 1 of 1 : SP_2015_RD2089_317_36_20150317_00025.jpg



Extremely thick dead brush prevents access and visibility.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	05/05/2015 05/08/2015	Maksim Khashchuk

LM Start	0.83	Rating **	M	Issue No.	21
LM End	0.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.814773 °	37.814773 °
				-121.414555 °	-121.414555 °
DWR ID	DWR_RD2089_02_s _ 2012_21				
Action/Comments					
Repair the levee slope damaged by livestock and prevent large animal access.					
Inspector Comments: Livestock have worn paths into levee slope.					

No Photos

LM Start	0.83	Rating **	M	Issue No.	38
LM End	0.83	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.814844 °	37.814844 °
				-121.414566 °	-121.414566 °
DWR ID	DWR_RD2089_02_s _ 2012_38				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comments: Active burrows present.					

No Photos

LM Start	0.84	Rating **	M	Issue No.	25
LM End	0.84	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.814906 °	37.814906 °
				-121.414745 °	-121.414745 °
DWR ID	DWR_RD2089_02_s _ 2012_25				
Action/Comments					
Elderberries are blocking visibility and flood fight capability. Inspector Comments: Elderberry and blackberry on levee slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	05/05/2015 05/08/2015	Maksim Khashchuk

LM Start	0.85	Rating **	U	Issue No.	40
LM End	0.90	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.814997 °	37.814970 °
				-121.414774 °	-121.415767 °
DWR ID	DWR_RD2089_02_s _ 2012_40				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Numerous burrows on landside slope adjacent to hay storage area. Deep burrows in crown and landside ramp.					

Photo 1 of 2 : SP_2015_RD2089_317_40_20150317_00026.jpg



05/24/2011 Deep vertical burrow in ramp on land side of levee.

Photo 2 of 2 : SP_2015_RD2089_317_40_20150317_00027.jpg



05/24/2011 Deep vertical burrow in levee crown.

LM Start	0.91	Rating **	M	Issue No.	22
LM End	0.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.814903 °	37.814903 °
				-121.415887 °	-121.415887 °
DWR ID	DWR_RD2089_02_s _ 2015_22				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	05/05/2015 05/08/2015	Maksim Khashchuk

LM Start	0.94	Rating **	M	Issue No.	41
LM End	0.94	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.814940 °	37.814940 °
				-121.416499 °	-121.416499 °
DWR ID	DWR_RD2089_02_s _ 2012_41				
Action/Comments					
Pipe					
Inspector Comments: Debris/CMP on levee slope needs to be removed.					

Photo 1 of 1 : SP_2015_RD2089_317_41_20150317_00028.jpg



05/24/2011 Old CMP left on waterside levee slope, needs to be removed.

LM Start	0.95	Rating **	U	Issue No.	5
LM End	0.95	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.814915 °	37.814915 °
				-121.416606 °	-121.416606 °
DWR ID	DWR_RD2089_02_s _ 2014_5				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 1 : SP_2015_RD2089_317_5_20150317_00005.jpg



View of the rodent holes on the landside levee slope.

LM Start	1.00	Rating **	U	Issue No.	12
LM End	1.00	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.815182 °	37.815182 °
				-121.417439 °	-121.417439 °
DWR ID	DWR_RD2089_02_f _ 2014_12				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 2 : SP_2015_RD2089_317_12_20150317_00013.jpg



View of several large rodent holes on the levee crown.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	05/05/2015 05/08/2015	Maksim Khashchuk

LM Start	1.00	Rating **	U	Issue No.	12 (cont)
LM End	1.00	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.815182 °	37.815182 °
				-121.417439 °	-121.417439 °
DWR ID	DWR_RD2089_02_f_2014_12				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 2 of 2 : SP_2015_RD2089_317_12_20150317_00014.jpg



View of several rodent burrows on landside levee hinge and crown.

LM Start	1.05	Rating **	N	Issue No.	29
LM End	1.05	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			37.815629 °	37.815629 °
				-121.418133 °	-121.418133 °
DWR ID	DWR_RD2089_02_s_2012_29				
Action/Comments					
Tree stumps. Inspector Comments: 14" dia stump. Could not verify as the area is overgrown with high weeds.					

Photo 1 of 1 : SP_2015_RD2089_317_29_20150317_00024.jpg



Tree stump >2" left after vegetation and tree removal.

LM Start	1.09	Rating **	M	Issue No.	17
LM End	1.09	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			37.816100 °	37.816100 °
				-121.418487 °	-121.418487 °
DWR ID	DWR_RD2089_02_s_2012_17				
Action/Comments					
Debris					
Inspector Comments: Water tanks disposed of on levee are obstructive.					

Photo 1 of 1 : SP_2015_RD2089_317_17_20150317_00018.jpg



View of water tanks disposed on waterside slope.

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	05/05/2015 05/08/2015	Maksim Khashchuk

LM Start	1.12	Rating **	M	Issue No.	30
LM End	1.12	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.816487 °	37.816487 °
				-121.418948 °	-121.418948 °
DWR ID	DWR_RD2089_02_s _ 2012_30				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	1.18	Rating **	M	Issue No.	6
LM End	1.18	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.817271 °	37.817271 °
				-121.419380 °	-121.419380 °
DWR ID	DWR_RD2089_02_s _ 2014_6				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 1 : SP_2015_RD2089_317_6_20150317_00006.jpg



View of the large rodent hole on the landside levee slope.

LM Start	1.24	Rating **	M	Issue No.	31
LM End	1.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.818051 °	37.818051 °
				-121.419743 °	-121.419743 °
DWR ID	DWR_RD2089_02_s _ 2012_31				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.35	05/05/2015 05/08/2015	Maksim Khashchuk

LM Start	1.29	Rating **	M	Issue No.	32
LM End	1.29	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.818829 °	37.818829 °
				-121.419776 °	-121.419776 °
DWR ID	DWR_RD2089_02_s _ 2012_32				
Action/Comments					
Elderberries are blocking visibility and flood fight capability.					

No Photos

LM Start	1.30	Rating **	M	Issue No.	16
LM End	1.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.818987 °	37.818987 °
				-121.419767 °	-121.419767 °
DWR ID	DWR_RD2089_02_s _ 2015_16				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

No Photos

LM Start	1.33	Rating **	U	Issue No.	11
LM End	1.33	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			37.819371 °	37.819371 °
				-121.419774 °	-121.419774 °
DWR ID	DWR_RD2089_02_f _ 2014_11				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : SP_2015_RD2089_317_11_20150511_00039.jpg



View of the multiple rodent burrows on the landside levee slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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